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1. (Amended) A TGF- β superfamily chimeric protein, said chimeric protein comprising a dimer wherein one monomer comprises an amino acid sequence from at least two different members of said superfamily; wherein the monomer comprises a finger 1 subdomain, a finger 2 subdomain and a heel subdomain, said finger 2 subdomain being cDMP-2 (residues 68-98 of SEQ ID NO:86), said finger 1 or heel subdomain comprising at least a portion of the amino acid sequence from at least a second, different member of said superfamily, wherein said monomer further comprises a conserved C-terminal cysteine skeleton.

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3. (Amended) The chimeric protein of claim 1, wherein said second member is selected from the group consisting of TGF- β 1 (SEQ ID NO: 40), TGF- β 2 (SEQ ID NO: 41), TGF- β 3 (SEQ ID NO: 42), TGF- β 4 (SEQ ID NO: 43), TGF- β 5 (SEQ ID NO: 44), dpp (SEQ ID NO: 45), Vg-1 (SEQ ID NO: 46), Vgr-1 (SEQ ID NO: 47), 60A (SEQ ID NO: 48), BMP-2A (SEQ ID NO: 49), BMP-3 (SEQ ID NO: 50), BMP4 (SEQ ID NO: 51), BMP5 (SEQ ID NO: 52), BMP-6 (SEQ ID NO: 53), Dorsalin (SEQ ID NO: 54), OP-1 (SEQ ID NO: 55), OP-2 (SEQ ID NO: 56), OP-3 (SEQ ID NO: 57), GDF-1 (SEQ ID NO: 58), GDF-3 (SEQ ID NO: 59), GDF-9 (SEQ ID NO: 60), Inhibin α (SEQ ID NO: 61), Inhibin β A (SEQ ID NO: 62), Inhibin β B (SEQ ID NO: 63), CDMP-1/GDF-5 (SEQ ID NO: 83) and GDF-7 (SEQ ID NO: 87).

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5. (Amended) The chimeric protein of claim 1, wherein said finger 1 subdomain is from OP-1 (SEQ ID NO: 55), and said heel domain comprises at least a portion of the heel domain of OP-1 (SEQ ID NO: 55).

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7. (Amended) The chimeric protein of claim 1, wherein said monomer further comprises a finger 1 or heel